CCTV SYSTEMS

Lilin®

MERIT LI-LIN ENT.CO.,LTD

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BRANCH OFFICE IN

Lilin®

About MERIT LI-LIN

In 1980 LI-LIN Pty Ltd,founded
In 1981 LI-LIN created PIH-305 series indoor scanner
In 1983 LI-LIN Corp.created PIH-301 outdoor pan/tilt
In 1984 LI-LIN designed the first Tube vidicon
In 1988 LI-LIN bought factory area of 320 Ping (1057sq.meter),staff number of 50
In 1989 LI-LIN brought forth first B/W montion
In 1991 LI-LIN annual turnover exceeded 10 million USD for the first time
In 1992 LI-LIN deighned first CCD camera
In 1992 LI-LIN Guangzhou established
In 1994 bought WuGu Industry Zone workshop(present address)
In 1994 LI-LIN annual turnover exceeded 15 million USD
In 1994 LI-LIN Europe established in France
In 1994 LI-LIN Enterprise Stock Co.,Ltd got computerised
In 1995 LI-LIN created first video quad
In 1997 LI-LIN obtainde ISO9002 certificate
In 1997 LI-LIN New Zealand established

CHINA OFFICE PICTURE

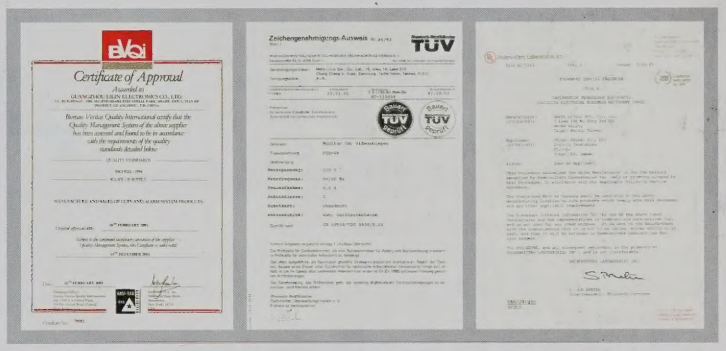
Factory area : 25,000 square-meter

THE WORLD

New Zealand Office

Australia Office

CERIFICATES



ISO9001 TÜV UL

CE FDA FCC

In 1997 LI-LIN enterprise brought forward self-developed PIH-816 serise Matrix system
In 1998 LI-LIN enterprise pulished its website
In 1998 LI-LIN brought forth first self-developed fast dome PIH-717 series in Taiwan
In 1999 LI-LIN UK established
In 1999 LI-LIN USA established
In 2000 LI-LIN Australia established
In 2000 LI-LIN Guangzhou purchased land build up workshop on own
In 2001 LI-LIN created the second generation of fast dome PIH-7000 series

In 2001 Company set up branch offices in Harbin ,Shenyang,Kunming in China
In 2001 LI-LIN UK purchased land in Milton Keynes and build up warehouse and office under their by self
In 2002 LI-LIN UK's warehouse and office completed
In 2002 LI-LIN Guangzhou's new workshop completed
In 2002 LI-LIN Corporation developed self-designed Stand Alone series DVR digital recording bioscope
In 2003 LI-LIN Japan established
In 2003 Taibei headquater expanded and relocated to Wugongliu Rd.,Wugu Industry Zone

CAMERA

INFRARED CAMERA

NEW

PIH-0123/0143 | DAY&NIGHT INFRARED COLOR CAMERA WITH 25 METERS

FEATURES

- Indoor/Outdoor Application
- Adopts "Special Optical Low Pass Filter" No Day & Night Focus Shift
- Aluminum PCB,Fast Heat Dissipation
- High Efficiency Jack Infrared LED with 0.25W Output Power,Low Power Consumption,Radiant Distance 25 Meters
- CDS Automatically Activate LED ,When Light Drops Below 20 Lux
- Aluminum Housing Case With IP65 Rating
- High Sensitivity Sensor,Excellent Picture Quality
- Choice of 6.0mm or 8.0mm Lens

SPECIFICATION

Model No.			PIH-0123PW PIH-0127NW	PIH-0123PS PIH-0127NS	PIH-0143PW PIH-0147NW	PIH-0143PS PIH-0147NS
Lens	Focal Length		6.0mm	8.0mm	6.0mm	8.0mm
	Iris		F1.8	F2.0	F1.8	F2.0
	Angle of View	H	44.5°	32°	44.5°	32°
		V	33.1°	24°	33.1°	24°
		D	56°	40°	56°	40°
Power Input Voltage			AC90 ~ 260V			
System			NTSC or PAL			
Sync.Mode			Internal			
Pick Up Element			1/3" Exview Hard CCD			
Effective Pixels			510(H)x492(V)[NTSC] 500(H)x582(V)[PAL]		768(H)x494(V)[NTSC] 752(H)x582(V)[PAL]	
Chip Size			6.0mm(H)x4.96mm(V)			
Horizontal & Vertical Sync.			15.734KHz / 60Hz[NTSC]			
Frequency			15.625KHz / 50Hz[PAL]			
Scanning System			2:1 Interlace			
Resolution			420 TV Lines		480 TV Lines	
Minimum Illumination			0.05 Lux(F1.8) 0 Lux(IR ON)		0.1 Lux(F1.8) 0 Lux(IR ON)	
S/M Ratio			More Than 50dB (AGC OFF)			
Auto Gain Control			36dB Variable Gain			
White Balance			ATW			
Aperture Consumption			Horizontal,Vertical			
Power Consumpion			10W			
Shutter			1/60(1/50) 100,000sec.			
Back Light Compensation			Auto			
Video Output			CVBS 1.0Vp-p,75ohm			
Gamma Characteristic			γ=0.45			
IP Rating			IP 65			
Window			Φ 88mm Heat Resistant Glass			
Infrared LED	Peak Wavelength		850mm			
	Beam Spread		20°			
	Radiant Distance		25M			
Operating Temperature			-10°C ~ +50°C(14°F ~ 122°F)			
Dimension			Φ100x235mm			
Weight			1500g			

NEW

PIH-0022/0042 | DAY&NIGHT INFRARED COLOR CAMERA WITH 16 METERS

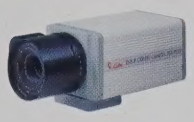
FEATURES

- Indoor/Outdoor Application
- Adopts "Special Optical Low Pass Filter" No Day & Night Focus Shift
- High Efficiency Infrared LED ,Radiant Distance 16 Meters
- CDS Automatically Activate LED ,When Light Drops Below 20 Lux
- Aluminum Housing Case With IP67 Rating
- High Sensitivity Sensor,Excellent Picture Quaiity
- Choice of 3.6mm or 6.0mm Lens

SPECIFICATION

Model No.			PIH-0022PS PIH-0022NS	PIH-0022PW PIH-0022NW	PIH-0042PS PIH-0042NS	PIH-0042PW PIH-0042NW
Lens	Focal Length		6.0mm	3.6mm	6.0mm	3.6mm
	Iris		F1.8	F2.0	F1.8	F2.0
	Angle of View	H	44.5°	73°	44.5°	73°
		V	33.1°	54.5°	33.1°	54.5°
		D	56°	92°	56°	92°
Power Input Voltage			DC 12V(±10%)			
System			NTSC or PAL			
Sync.Mode			Internal			
Pick Up Element			1/3" SuperHard CCD			
Effective Pixels			510(H)x492(V)[NTSC] 500(H)x582(V)[PAL]		768(H)x494(V)[NTSC] 752(H)x582(V)[PAL]	
Chip Size			6.0mm(H)x4.96mm(V)			
Horizontal & Vertical Sync.			15.734KHz / 60Hz[NTSC]			
Frequency			15.625KHz / 50Hz[PAL]			
Scanning System			2:1 Interlace			
Resolution			420 TV Lines		480 TV Lines	
Minimum Illumination			0.05 Lux(F1.8) 0 Lux(IR ON)		0.1 Lux(F1.8) 0 Lux(IR ON)	
S/M Ratio			More Than 50dB (AGC OFF)			
Auto Gain Control			36dB Variable Gain			
White Balance			ATW			
Aperture Consumption			Horizontal,Vertical			
Power Consumpion			3.0W			
Shutter			1/60(1/50) ~ 100,000sec.			
Back Light Compensation			Auto			
Video Output			CVBS 1.0Vp-p,75ohm			
Gamma Characteristic			γ=0.45			
IP Rating			IP 67			
Window			Φ 59mm Heat Resistant Glass			
Infrared LED	Peak Wavelength		850mm			
	Beam Spread		30°			
	Radiant Distance		16M			
Operating Temperature			-10°C ~ +50°C(14°F ~ 122°F)			
Dimension			Φ 65x67.7mm			
Weight			300g			

B/W CAMERA

Type / Model / Speciation				(High Resolution)
Model No.	**PIH-753C**	**PIH-703**	**PIH-75 SERIAL**	**PIH-79 SERIAL**
Pick Up Element	1/3" CCD Image Sensor	1/2" CCD Image Sensor	1/3" CCD Image Sensor	1/3" CCD Image Sensor
Resolution	420TV LINES	420TV LINES	420TV LINES	600TV LINES
Minimum Illumination	0.2Lux/F1.2	0.2Lux/F1.2	0.1Lux/F1.2	0.1Lux/F1.2
S/N Ratio	⩾ 48dB	⩾ 48dB	⩾ 50dB	⩾ 50dB
BackLight Compensation	———	———	AUTO	AUTO
Auto Iris Drive	DC or VideoDrive	DC or VideoDrive	DC or VideoDrive	DC or VideoDrive
Synchronization	———	Internal	Internal,AGC Selectable	Internal,AGC Selectable
Power Input Voltage	AC220V/DC12V	DC12V	DC12V/AC24V/AC220V	DC12V/AC24V/AC220V
Power Consumption	200mA	150mA	350mA	350mA
Dimension(WxDxH)	58 × 96 × 48mm	58 × 93 × 48mm	70 × 114 × 58mm	70 × 114 × 58mm
Weight	535g	280g	700g	700g

COLOR CAMERA

Type / Model / Speciation	DUAL VOLTAGE COLOR VARI FOCAL CAMERA		COLOR CAMERA	
Model No.	**PIH-4026/4028**	**PIH-4046/4048**	**PIH-6026**	**PIH-6046**
Lens	3.8~9.5mm Manual Zoom,Auto Iris DC		C or CS Mount	
Pick Up Element	1/3"ILT CCD Image Sensor		1/3"ILT CCD Image Sensor	
Resolution	420TV Lines	480 TV Lines	420TV Lines	480 TV Lines
Minimum Illumination	0.09 Lux	0.15Lux	0.09 Lux	0.15 Lux
S/N Ratio	More Than 50 dB(AGC OFF)		More Than 50 dB(AGC OFF)	
Auto Gain Control	36dB Variable Gain		36dB Variable Gain	
White Balance	ATW		ATW	
Aperture Correction	Horizontal & Vertical		Horizontal & Vertical	
BackLight Compensation	Auto		Auto	
Operating Temperature	-10℃ ~ +50℃ (14°F~122°F)		-10℃ ~ +50℃(14°F~122°F)	
Power Input Voltage	DC 12VorAC24V(PIH-4046/4026) AC220(PIH-4048/4028)		DC 12V/AC24V/AC220V	
Dimension	52mm(W) x 55mm(H) x 124mm(D)		70mm(W) x 58mm(H) x 85mm(D)	
Weight	600g		600g	

Day & NIGHT CAMERA

Type / Model / Speciation				SUPER LOW LUX DAY & NIGHT CAMERA	
Model No.	High Res / Standard	**PIH-8046 PIH-8026**	**PIH-8048 PIH-8028**	**PIH-8086**	**PIH-8088**
Power Input Voltage		DC12V/AC24V	AC90 ~ 260V	DC12V/AC24V	AC90 ~ 260V
Sync. Mode		DC12V : Internal AC24V : Line-Lock	Line-Lock	DC12V : Internal AC24V : Line-Lock	Line-Lock
Pick Up Element		1/3" SONY Super HAD CCD Sensor		1/3" SONY Exview HAD CCD Sensor	
Infrared Cut Filter		Color : Above 17Lux Mono : Below 10Lux Automatic Switchable		Color : Above 17Lux Mono : Below 10Lux Automatic Switchable	
Resolution	High Res	Color : 480TV Lines , Mono : 550TV Lines		Color : 480TV Lines , Mono : 550TV Lines	
	Standard	Color : 420TV Lines , Mono : 450TV Lines		———	
Minimum Illumination	High Res	Color : 0.1Lux at F1.2 ; 0Lux with IR ; Mono : 0.02Lux at F1.2		Color : 0.05Lux at F1.2 ; 0Lux with IR ; Mono : 0.01Lux at F1.2	
	Standard	Color : 0.08Lux at F1.2 ; 0Lux with IR ; Mono : 0.01Lux at F1.2		———	
S/N Rati		More Than 50dB (AGC OFF)		More Than 50dB (AGC OFF)	
Auto Gain Control		On/Off Selectable		On/Off Selectable	
White Balance		ATW / PUSH / HOLD / 3200K / 4200K / 4700K / 6300K		ATW / PUSH / HOLD / 3200K / 4200K / 4700K / 6300K	
Back Light Compensation		On/Off Selectable		On/Off Selectable	
Dimension		56mm(W) x 54mm(H) x 112mm(D)		56mm(W) x 54mm(H) x 112mm(D)	
Weight		510g		510g	

CAMERA

FASTDOME CAMERA

PIH-7000/7600
COLOR FAST DOME CAMERA

- Super HAD CCD
- 17X Optical Zoom Lens3.9-66.3mm (PIH-7000)
- 22X Optical Zoom Lens3.9-86mm (PIH-7600)
- 480 TVL Color Resolution
- 0.3 Lux Sensitivity
- Auto or Manual Focus
- Auto or Manual Iris
- Back Light Compensation
- Auto White Balance

INDOOR CEILING MOUNT

| FASTDOME CAMERA | PIH-7000 | PIH-7600 |

INDOOR HARD CEILING MOUNT

DAY & NIGHT FAST DOME CAMERA

Based on the proven reliability of PIH-7000(17X optical lens)/PIH-7600(22X optical lens)color domes and result of years research & development ,we are now launching a new day & night dome:PIH-7625, to provide a solution for 24 hours surveillance applications.

PIH-7625 equips with a 25X optical zoom lens adopting Sony ExView CCD and retractable IR filter, automatical switch from high resolution color to high resolution monochrome when light drops below 3Lux. Additionally PIH-7625's on-screen menus offers easier and more configuration options such as:BLC zone selection,AutoWhite Balance mode selection,Zoom Speeds selection,Pictres Quality adjustment...Etc

Li Lin's Fast Dome series measure only 145mm in diameter and is capable of making 360 degrees continuous rotation with a speed range of 0.18 ti 360 degrees per second, ensures direct and accurate target positioning.When required the domes can be qucikly spun through 180 degrees,an important feature when something passes directly under the camera.

Up to 128 preset positions can be programmed and recallad with an accuracy of 0.25 degrees. First 16 presets can be divided into 4 groups for auto touring with individual settings for speed and dwell time.

Each Fast Dome has 6 alarm inputs(expandable to 64)can drive the dome to any pisition in under a second,A local alarm output can be cinfigured as NO or NC and two types of alarm response mode provide flexible alarm management ,RS-485 control interface makes our fast dome cameras easy to fit into our exist systems and compatible with other manufacurers'control systems.

22X

Moon mode

CAMERA

FASTDOME CAMERA

FEATURES FOR BOTH DAY & NIGHT AND COLOR FAST DOME CAMERAS

360 Continuous Rotation
180 Instant Flip
1-255/second Press Speed
0.18-180 Manual Pan / Tilt Speed
1-255 seconds For Preset Recall and Alarm Trigger
128m Presets
Auto Touring
6 Alarm Inputs (expandable to 64)and 1Output
Two Types Alarm Response Mode: Lock and Release

| FASTDOME CAMERA | PIH-7625 / 7625IP |

INDOOR CEILING MOUNT

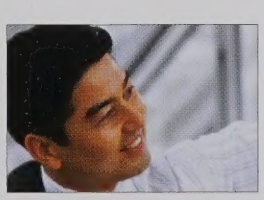
INDOOR HARD CEILING MOUNT

NEW

FEATURES PIH-7625 DAY & NIGHT FAST DOME CAMERA

- ExView HAD CCD
- 25X optical lens 3.8-95mm
- 570 TVL Mono Resolution,480 TVL Color Resolution
- 0.01 Lux Sensitivity(Mono),0.1 Lux Sensitivity(Color)
- Color/Mono Auto Switch(IR Cut filter)
- 2 Auto Focus Modes or Manual Focus
- Auto or Manual Iris(2 spddes selectable)
- 3 Speeds Selectable for Optical Zoom
- AGC Sensitivity Adjustable
- BLC Zone Selectable
- Auto White Balance Mode Selectable
- Aperture Correction Adjusment
- Contrasr Adjustment
- Gamma Adjustment
- OSD Setup Menu

25X



Moon mode

CONTROL KEYBOARDS

RS-485 control inerface allows one single keyboard controlling 1 to 64 Fast Dome Cametras.
Up to 8 Keyboards can be connected to one FastDome system .
Two model control keyboards is used to control Fast Dome Camera,Matrix and Matrix Receiver
PIH-801 Multi-Function Keyboard with LCD panel is used to control Fast Dome Camera,Matrix ,Marix Receiver ,and Stand Alone DVR

INDOOR INSTALLATION

The small size of the fast dome allows simple,unobtrusive installation in a wide range of applications. Options for indoor applications:
Embedded Mount: For false ceiling ,a discreet and attractive installation
Arrachde Mount:For fixed ceiling,simple installationg
Pendant Mount:PIH-303P is required
Wall Mount:PIH-303B is required

OUTDOOR INSTALLATION

(IP 68 Weather Resistant Housing)

PIH-510 is ab attractive external housing provides a high degree of protection from adverse weather conditions.Options for outdoor applicatons:

- Pendant Mount:PIH-510H Housing with Pendant Mount Bracket
- Wall Mount :PIH-510L Housing With Wall Mount Bracket
- Corner Mount:PIH-CN & PIH-510L are required
- Pole Mount:PIH-PM & PIH-510L are required

SPCIFICATIONS

Type / Speciation / Model					NEW			
Model	PIH-7000PL PIH-7000PF	PIH-7600PL PIH-7600PF	PIH-7000NL PIH-7000NF	PIH-7600NL PIH-7600NF	PIH-7625PL	PIH-7625PF	PIH-7625NL	PIH-7625NF
System	PAL		NTSC		PAL		NTSC	
Video	Color		Color		Color/Mono		Color/Mono	
Power Supply	24Vac 90-260Vac		24Vac 90-260Vac		24Vac 90-260Vac		24Vac 90-260Vac	
Input Voltage	12Vac				12Vac			
Power Consumption	13W				13W			
Optical Zoom	17X(PIH-7000 Series) 22X(PIH-7600 Series)				25X			
Zoom Speed	Tele-Wide :5 sec (PIH-7000 Series) Tele-Wide :6 sec (PIH-7600 Series)				Tele-Wide:3.5sec (Fast) Tele-Wide:6sec (Medium) Tele-Wide:3.5sec (Slow)			
Image Device	[Super HAD CCD] 1/4 Interline Transfer CCD				[ExView HAD CCD] 1/4 Interline Transfer CCD			
Color/Momo Switch (Ir Cut Filter)	——				ON(Color) OFF(Monochrome) Auto(When light drops below 3Lux,auto switch from color to mono)			
Total No.Of Pixels	795(H)x596(v) 470,000pixeis		811(H)x508(v) 410,000pixeis		795(H)x596(v) 470,000pixeis		811(H)x508(v) 410,000pixeis	
Scanning System	2:1interlace,625 lines 50fields/sec		2:1interlace,525 lines 60fields/sec		2:1interlace,625 lines 50fields/sec		2:1interlace,525 lines 60fields/sec	
Horzontal & Vertical Synchronization	15.625KHz,50Hz		15.734KHz,60Hz		15.625KHz,50Hz		15.734KHz,60Hz	
Synchronization	internal				internal			
Minimum Lllumination	0.3Lux at F1.4(PIH-7000 Series) 0.3Lux at F1.6(PIH-7600 Series)				0.01Lux at F1.6(Mono) 0.1Lux at F1.6(Color)			
Horizontal Resolution	480TVL				570TVL(Mono),480TVL(Color)			
S/N Ratio	More THAN 50dB				More Than 50dB			
Auto Gain Control	ON(adjustable to 20dB)/OFF				80dB(Low),22dB(Medium),36dB(Hight)			
Blc	ONo(Backgound Video Level Adjustable)/OFF				ONo(Backgound Video Level Adjustable)/OFF			
Blc Zone	Fix				Top,Bottom, Left,Right,Center			
Sensitivity Enhancement	——				ON/OFF/Auto			
White Balance	Auto/Fix (Indoor or Outdoor)				Auto Correction/Auto Tracking/Fix (Indoor or Outdoor)			
Iris Control	Auto/Manual				Auto/Manual(Fast or Mendium Speeds)			
Video Focus	Auto/Manual 0.005m(Wide)-1.4m(Tele)(PIH-7000 Series) 0.005(Wide)-2.2m(Tele)(PIH-7600 Series)				Auto/One Shot/Manual 0.07m(Wide)-1m(Tele)			
Flickerless	——				ON/OFF			
Gamma Adjustment	——				8 Levels			
Contrast Adjustment	——				16 Levels			
Aperture Correction	——				Horizontal & Vertical Aperture Correction Slice Level:16 Levels Vertical Aperture Correction Slice Level:8 Levels Horizontal Aperture Correction(Low Band)Gain Level:4 Levels Horizontal Aperture Correction(Hight Band)Gain Level:4 Levels Vertiacal Aperture Correction Gain Control:16 Levels Horizontal & Vertical Aperture Correction Gain:16 Levels			
Video Output	CVBS1.0Vpp/75BNC				CVBS1.0Vpp/75BNC			
Pan Travel	360 Continuous				360 Continuous			
Manual Pan/Till Speed	0.18-180/sec				0.18-180/sec			
Preset Pan/Tilt Speed	1-255/sec				1-255/sec			
Preset Dwell Time	1-255/sec				1-255/sec			
Preset Positions	128 Positions				128 Positions			
Alarm Input	6 Inputs(expandable to 64)				6 Inputs(expandable to 64)			
Alarm Output	1 to organize(NO or NC)				1 to organize(NO or NC)			
Weight	2.5Kg				2.5Kg			

COLOR DOME CAMERA

Type / Speciation / Model	Model No.	PIH-2422	PIH-2442
Lens		3.6mm,6.0mm	
Pick Up Element		1/3"ILT CCD Image Sensor	
Resolution		420TV Lines	480 TV Lines
Minimum Illumination		0.2 Lux(F1.8)	0.5 Lux(F1.8)
S/N Ratio		More Than 50 dB(AGC OFF)	
Auto Gain Control		36dB Variable Gain	
White Balance		ATW	
Aperture Correction		Horizontal & Vertical	
BackLight Compensation		Auto	
Gamma Characteristic		γ =0.45	
Power Input Voltage		DC 12V (± 10%)	
Dimension		Ø110X45mm	

DUAL VOLTAGE COLOR DOME CAMERA

Type / Speciation / Model	Model No.	PIH-2026	PIH-2046
Lens		3.6mm,6.0mm	
Pick Up Element		1/3"ILT CCD Image Sensor	
Resolution		420TV Lines	480 TV Lines
Minimum Illumination		0.2 Lux (F1.8)	0.5 Lux (F1.8)
S/N Ratio		More Than 50 dB(AGC OFF)	
Auto Gain Control		36dB Variable Gain	
White Balance		ATW	
Aperture Correction		Horizontal & Vertical	
BackLight Compensation		Auto	
Gamma Characteristic		γ =0.45	
Power Input Voltage		DC 12VorAC24V	
Dimension		Ø90X79mm	

DUAL VOLTAGE COLOR VARI FOCAL DOME CAMERA

Type / Speciation / Model	Model No.	PIH-2126X	PIH-2146X
Lens		3.8~9.5mm Manual Zoom,Auto Iris	
Pick Up Element		1/3"ILT CCD Image Sensor	
Resolution		420TV Lines	480 TV Lines
Minimum Illumination		0.09 Lux (F1.6)	0.15Lux (F1.6)
S/N Ratio		More Than 50 dB(AGC OFF)	
Auto Gain Control		36dB Variable Gain	
White Balance		ATW	
Aperture Correction		Horizontal & Vertical	
BackLight Compensation		Auto	
Gamma Characteristic		γ =0.45	
Power Input Voltage		DC 12VorAC24V	
Dimension		118 x 106mm	

VANDAL RESISTANT COLOR DOME CAMERA

Type / Speciation / Model	Model No.	PIH-2326X	PIH-2346X
Lens		3.8~9.5mm Manual Zoom,Auto Iris	
Pick Up Element		1/3"ILT CCD Image Sensor	
Resolution		420TV Lines	480 TV Lines
Minimum Illumination		0.09 Lux (F1.6)	0.15Lux (F1.6)
S/N Ratio		More Than 50 dB(AGC OFF)	
Auto Gain Control		36dB Variable Gain	
White Balance		ATW	
Aperture Correction		Horizontal & Vertical	
BackLight Compensation		Auto	
Gamma Characteristic		γ =0.45	
Power Input Voltage		DC 12VorAC24V	
Dimension		Ø136X55mm	

INFRARED COLOR DOME CAMERA

PIH-0422

Lens		4.3 mm、6.0mm
IR LED	Peak Wavelength	850nm
	Beam Spread	30°
	Radiant Distant	10Meters
Input Voltage		DC 12V
Synchronization		Internal
Pick Up Element		1/3"Super HAD CCD
Resolution		420 TV Lines
Minimum Illumination		0.2 Lux / F1.8 0 Lux (IR ON)
S/N Ratio		More Than 50dB(AGC OFF)
Auto Gain Control		36dB Variable Gain
White Balance		ATW
Aperture Correctionl		Horizontal, Vertical
Power Consumption		3.0 W
Back Light Compensation		Auto
Shutter		1/60 (1/50) ~ 1/100,000 second
Gamma Characteristic		γ =0.45
Dimension		Ø110X45mm

B/W DOME CAMERA

Type / Speciation / Model	Model No.	PIH-182X	PIH-762	PIH-765
Pick Up Element		1/3"ILT CCD Image Sensor	1/3"ILT CCD Image Sensor	1/3"ILT CCD Image Sensor
Resolution		420TV Lines	420TV Lines	420TV Lines
Minimum Illumination		0.1 Lux (F1.6)	0.1 Lux (F1.2)	0.1 Lux (F1.2)
S/N Ratio		More Than 45 dB	More Than 48 dB	More Than 50 dB
Zoom		4mm~9mm(manual)	2.9/ 3.6 / 6.0 / 8.0 / 12.0	2.9/ 3.6 / 6.0 / 8.0 / 12.0
Shutter		1/60 ~ 1/100,000S	———	———
BackLight Compensation		Auto	Auto	Auto
Aperture Correction		Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical
Power Input Voltage		DC 12V	DC 12V	DC 12V
Dimension		Ø112X42mm(H)	Ø99X25mm(H)	Ø112X42mm(H)
Weight		260g	320g	260g

MONITOR

COLOUR MONITOR

17"/21"/29"PROGRESSIVE SCAN COLOUR MONITOR

NEW

FEATURES

Progressive Scan Colour Monitor Specifications Features

- High resolution display tube, super fine pitch.
- 60 Hz Progressive scan, no flickering.
- Digital comb filter activates to make the best Y/C separation. This contributes to an increase in resolution, and eliminates the cross interference between colour and luminance signal.
- Black level stretch and saturation control circuits are incorporated to improve the contrast and sharpness of pictures.
- Digital colour transient improvement (DCTI) to provide vivid colours and clear images.
- DVD-YCbCr video signal: 1 input.

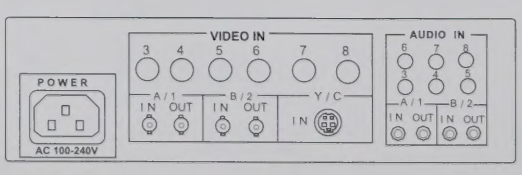
- Digital comb filter activates to make the best Y/C separation. This contributes to an increase in resolution, and eliminates the cross interference between color and luminance signal.
- Black level stretch and saturation control circuits are incorporated in to improve the contrast and sharpness of pictures.

GENERAL SPECIFICATIONS PROGRESSIVE SCAN COLOUR

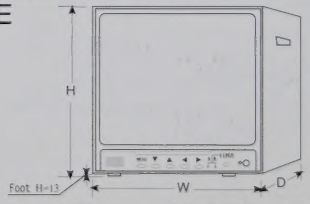
MONITOR SPECIFICATIONS

Model	PIH-17PHC	PIH-21PFC	PIH-29PFC
Picture Tube	17"Flat Square Tube Dot Pitch: 0.27mmDeflection: 90°	Picture Tube:21" Real Flat Tube Dot Pitch:0.64mm Deflection:90°	Picture Tube:29" Real Flat Tube Dot Pitch:0.67mm Deflection:104°
Scan System	PAL/ NTSC/SECAM automatic selectable 60Hz Progressive Scan		
Composite Video A/B In/Out	Composite video: 1.0Vp-p 75Ω HI-Z auto terminating		
Y/C(S-VHS) In	Y signal = 1 Vp-p, C signal = 0.285Vp-p 75Ω HI-Z auto terminating		
DVD-YCbCr In	Y signal = 700mV, Cb signal = 535.5mV Cr signal = 535.5mV		
Audio In/Out	300mVrms/2W		
Connector	VIDEO A/B IN/OUT: BNC Connector × 4 Auto Terminating		
	Y/C In: Mini Din 4-Pin Connector × 1		
	YCbCr In: RCA Connector × 3		
	Audio In/Out: RCA Connector × 4		
Colour Temperature	9300° k		
Power Supply	AC 100~240V, 50Hz/60Hz		
Power Consumption	≤ 145W	≤ 160W	≤ 180W
Ambient Temperature	0℃ ~ +40℃		
Dimensions(W × D × H)	420 × 425 × 375mm	485 × 475 × 435mm	644 × 502 × 551mm
Weight	20kg	28kg	58kg

BACK PANEL DIAGRAM



SIZE

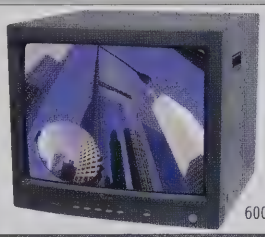


COLOUR MONITOR

HIGH RESOLUTION COLOUR MONITOR SPECIFICATIONS

Name / Type / Speciation \ Model	15"	17"
	720 TV Lines	NEW 720 TV Lines
Model	**PIH-15HC**	**PIH-17HC**
Resolution	720 TV Lines	720 TV Lines
Scan System	NTSC/PAL automatic selectable	
Scanning Frequency	HORIZONTAL:15.75KHz(N)/15.625KHz(P) VERTICAL:60Hz(N)/50Hz(P)	
Video In/Out	VIDEO A/B: NTSC/PAL Composite Video, 1.0 Vp-p 75Ω HI-Z auto terminating	
Audio In/Out	Y/C: S-VHS, Y signal=1Vp-p, C signal=0.285Vp-p 75Ω HI-Z auto terminating 300mVrms/2W	
Connector	VIDEO A/B IN/OUT: BNC Connector × 4 , Auto Termination	
	Y/C IN: MINI DIN 4-PIN Connector × 1	
	AUDIO IN/OUT: RCA Phone Connector × 4	
Active Display Area	7%Over Scan 3%Under Scan Switch Able	
Linearity	HORIZONTAL: 10%Max, VERTICAL:10%Max	
Power Source	AC 100~240V, 50HZ/60HZ	
Power Consumption	75W	80W
Ambient Temperature	0℃ ~ +40℃	
Dimensions(WxDxH)	362 × 375 × 340mm	420 × 425 × 375mm
Weight	14.5kg	20kg

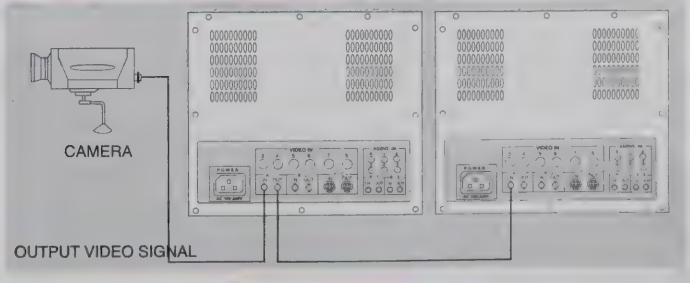
HIGH RESOLUTION COLOUR MONITOR SPECIFICATIONS

Name / Type / Speciation \ Model	21"	21"
	 600 TV Lines	REAL FLAT TUBE MONITOR
Model	**PIH-21C**	**PIH-21FC**
Resolution	600 TV Lines	
Scan System	NTSC/PAL automatic selectable	
Scanning Frequency	HORIZONTAL:15.75KHz(N)/15.625KHz(P) VERTICAL:60Hz(N)/50Hz(P)	
Video In/Out	VIDEO A/B: NTSC/PAL Composite Video, 1.0 Vp-p 75Ω HI-Z auto terminating	
Audio In/Out	Y/C: S-VHS, Y signal=1Vp-p, C signal=0.285Vp-p 75Ω HI-Z auto terminating 300mVrms/2W	
Connector	VIDEO A/B IN/OUT: BNC Connector × 4 , Auto Termination	
	Y/C IN: MINI DIN 4-PIN Connector × 1	
	AUDIO IN/OUT: RCA Phone Connector × 4	
Active Display Area	7%Over Scan 3%Under Scan Switch Able	
Linearity	HORIZONTAL: 10%Max, VERTICAL:10%Max	
Power Source	AC 100~240V, 50HZ/60HZ	
Power Consumption	80W	
Ambient Temperature	0℃ ~ +40℃	
Dimensions(WxDxH)	490 × 478 × 442mm	485 × 475 × 435mm
Weight	27.5kg	

HIGH RESOLUTION COLOUR MONITOR FEATURES

- 15"/17"/21"inches colour tube with vivid colour and clear images
- Fine pitch picture tube, horizontal resolution is : 600/720 TV lines.
- The latest I²C bus control circuit
- Black level stretch circuits and image definition enhance circuits are incorporated to improve the contrast and sharpness of pictures.
- The monitor allows for the input of two composite video and one Y/C separate video two audio signals, all manually selective
- Screen display either in Chinese or English. You can set monitor operation settings by using the on-screen menus

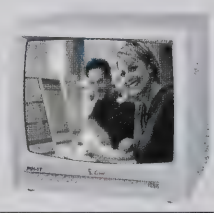
PORT CONECCTION



B/W MONITOR SERIES

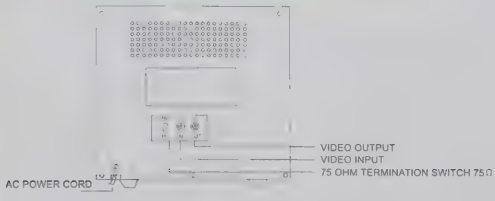
Name / Type / Model / Speciation	9" B/W Monitor	9"B/W Economical Monitor	12" B/W Monitor	12"B/W Economical Monitor
Model	**PIH-09**	**PIH-09E**	**PIH-12**	**PIH-12E**
Resolution	800TV LINES	700TV LINES	800TV LINES	700TV LINES
Input Voltage	AC220V	AC220V	AC220V	AC220V
Power Consumption	25w	25w	27W	27W
Dimension (W × H × D)mm	220 × 260 × 225mm	220 × 260 × 225mm	298 × 310 × 285mm	298 × 310 × 285mm
Weight	6.2kg	6.2kg	9.6kg	9.6kg

B/W MONITOR SERIES

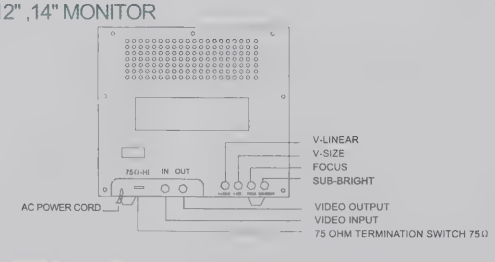
Name / Type / Speciation / Model	14" B/W Monitor	17" B/W Economical Monitor	20" B/W Monitor
			
Model	**PIH-14**	**PIH-17**	**PIH-20**
Resolution	800TV LINES	1000TV LINES	1000TV LINES
Input Voltage	AC220V	AC220V	AC220V
Power Consumption	30W	40W	48W
Dimension (W × H × D)mm	315 × 315 × 305mm	420 × 400 × 400mm	463 × 385 × 436mm
Weight	10.2kg	15kg	20kg

BAKE PANEL DIAGRAM

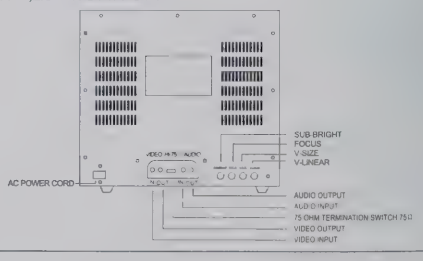
9" MONITOR



12",14" MONITOR



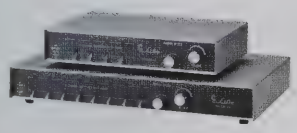
17",20" MONITOR



AUTO VIDEO SWITCHER

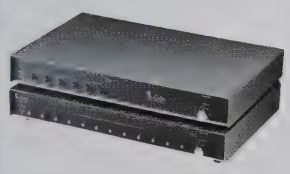
Speciation \ Type	PIH-2002	PIH-2004	PIH-2006	PIH-2008	PIH-20012	PIH-2004BL	PIH-2006BL	PIH-2008BL
Camera Input	2	4	6	8	12	4 Channel briging & Looping Video	6 Channel briging & Looping Video	8 Channel briging & Looping Video
Vidio Output	–	–	–	–	–	2-VGA	2-VGA	2-VGA
Individual Dwell Times	1-35S	1-35S	1-35S	1-35S	1-35S	1-35S	1-35S	1-35S
Switch/Contral	Bypass/Auto/home	Bypass/Auto/home	Bypass/Auto/home	Bypass/Auto/home	Bypass/Auto/home	A-Bypass/Auto/home B-Man Suitable	A-Bypass/Auto/home B-Man Suitable	A-Bypass/Auto/home B-Man Suitable
Construction	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish
Input Voltage	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V
Power Consumption	3W	3W	3W	3W	3W	3W	3W	3W
Dimension(mm) (W x D x H)	150 x 186 x60	273x 192 x 60	273x 192 x 60	384 x252 x 60	384 x 252 x 60	273 × 192 × 60mm	273 × 192 × 60mm	384 × 252 × 60mm
Weight	1.35Kg	2.05Kg	2.05Kg	3.62Kg	3.70Kg	2.20Kg	2.25Kg	3.73Kg

AUTO VIDEO SWITCHER WITH AUDIO



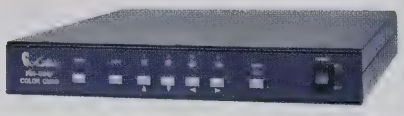
Speciation \ Type	PIH-2004A	PIH-2006A	PIH-2008A	PIH-20012A
Camera Input	4	6	8	12
Audio Input/Output	4/1	6/1	8/1	12/1
Audio Connection	RCA	RCA	RCA	RCA
Loubspeaker	3W, 8Ω	3W, 8Ω	3W, 8Ω	3W, 8Ω
Individual Dwell Times	1 ~ 35S	1 ~ 35S	1 ~ 35S	1 ~ 35S
Switch/Contral	Bypass/Auto/home	Bypass/Auto/home	Bypass/Auto/home	Bypass/Auto/home
Construction	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish
Input Voltage	AC220V	AC220V	AC220V	AC220V
Power Consumption	6W	6W	6W	6W
Dimension (mm)	273 (W) x 60 (H) x 192 (D)	273 (W) x 60 (H) x 192 (D)	384 (W) x 60 (H) x 252 (D)	384 (W) x 60 (H) x 252 (D)
Weight	2.4Kg	2.5Kg	4.3Kg	4.5Kg

ALARMING SWITCHER

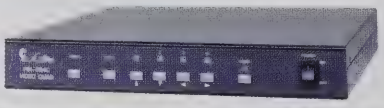
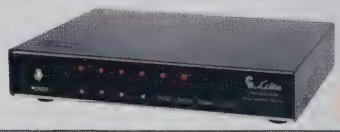


Speciation \ Type	PIH-2006AL
Camera Input	6
Video Output	2
Alarm input	6
Alarm Output	1(NO/NC/COM)
Individual Dwell Times	1-35S
Alarm Duration	5-360S
Switch/Contral	A-Bypass/Auto/home,B-Auto test/Change
Construction	Steel, Silver Gray Baked Enamel Finish
Input Voltage	AC220V
Power Consumption	6W
Dimension (mm)	384 (W) x 60 (H) x 252 (D)
Weight	4.15Kg

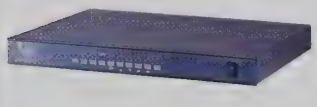
COLOR QUAD PROCESSOR

Type / Model / Speciation		
Model	**PIH-634P**	**PIH-6004C**
Video Format	Auto switching between standard NTSC or PAL	Auto switching between standard NTSC or PAL
Setup	OSD setup	OSD setup
Time Display	Time & Date generator ON / OFF, position adjustable	Time & Date generator ON / OFF, position adjustable
Number of Pixels	1024 x 512 pixels, full screen, high resolution picture	1024 x 512 pixels, full screen, high resolution picture
Auto Switch Time	1 ~ 99 sec	1 ~ 99 sec
Alarm Input	DB9P D-connector	DB9P D-connector
Alarm Output	NO/NC 1A / DC12V max. load	NO/NC 1A / DC12V max. load
Auto Reset Time	1 ~ 300 sec	1 ~ 99 sec
Alarm Feature	Video loss detection & buzzer setting	Video loss detection & buzzer setting
Motion Detection	——	1-7class suitable
Video halt	——	Quad or Single
Digital Zoom	——	2x
PIP	——	yes
Input Voltage	AC 90 ~ 240V	AC 90 ~ 240V
Power Consumption	9W	9W
Construction	Steel, black gray baked enamel finish	Steel, black gray baked enamel finish
Dimension (mm)	295 (W) x 50(H) x 300 (D)	273 (W) x 45 (H) x 185 (D)
Weight	2.65 Kg	3.55 Kg

MONOCHROME QUAD PROCESSOR

Type / Model / Speciation		 NEW
Model	**PIH-604C**	**PIH-604BW**
Video Format	Auto switching between standard NTSC or PAL	Auto switching between standard NTSC or PAL
Setup	OSD setup	OSD setup
Time Display	Time & Date generator ON / OFF, position adjustable	Time & Date generator ON / OFF, position adjustable
Number of Pixels	1024 x 512 pixels, full screen, high resolution picture	1024 x 512 pixels, full screen, high resolution picture
Auto Switch Time	1 ~ 99 sec	1 ~ 99 sec
Alarm Input	DB9P D-connector	DB9P D-connector
Auto Reset Time	1 ~ 300 sec	1 ~ 300 sec
Input Voltage	AC 90-240V	AC 220V
Power Consumption	8.5W	4W
Construction	Steel, black gray baked enamel finish	Steel, black gray baked enamel finish
Dimension (mm)	295 (W) x 560 (H) x 300 (D)	273 (W) x 60 (H) x 192 (D)
Weight	2.6 Kg	2.4 Kg

MONOCHROME MULTIPLEXER

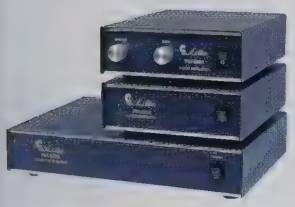


PIH-6040C

Number of Pixels	1024 x 512 for full screen, 256 levels of gray scale
Live Screen	Real time screen (Quad)
Video Input	4 input, 1.0Vp-p 75W, Video input loop through x 4
Video Output	Video 1.0Vp-p 75W x 1
Recording Input/ Output	Video 1.0Vp-p 75W x 1
Recording & Playing Duplex Functions	Yes
Auto Channel Switch	1 ~ 99 sec

Freeze Mode	Real time pictures and VCR playback pictures freeze
Alarm Input/ Output	D-connector
Alarm Reset Time	1 ~ 300 sec
Input Voltage	AC 90 ~ 240V, 50HZ / 60Hz
Power Consumption	1 A
Construction	Steel, black gray baked enamel finish
Dimension (mm)	434 (W) x 44 (H) x 310 (D)
Weight	4 Kg

VIDEO DISTRIBUTOR



VIDEO AMPLIFIER

Speciation \ Type	PIH-6001	PIH-6002	PIH-6008	PIH-6016	PIH-6032	PIH-6062
Video Input / Output		1/4	4/8	8/16	16/32	1/6 , 2/3
Maximum Video Gain	12dB(±3dB)	1dB	1dB	1dB	1dB	2dB-8dB
Input Voltage	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V
Power Consumption	1.82W	2.5W	6W	12W	24W	4W
Construction	Steel,Dark Gray Baked	Steel,Dark Gray Baked	Steel,Dark Gray Baked	Steel,Dark Gray Baked	Steel,Dark Gray Baked	Steel,Dark Gray Baked
Dimension(mm)	150(W) × 60(H) × 186(D)	150(W) × 60(H) × 186(D)	273(W) × 60(H) × 192(D)	384(W) × 60(H) × 252(D)	440(W) × 110(H) × 280(D)	273(W) × 60(H) × 192(D)
Weight	1.2Kg	1.2Kg	2.3Kg	4Kg	5.1Kg	2.1Kg

VIDEO TIMER & I.D

The PIH-6003MG video timer can display year,month,date, day,hour,minute,and second as well,as up to sixteen characteres on monitor.

Speciation \ Type	PIH-6003MG	PIH-6003M4
Video input	1 VS(VBS)1.0Vp-p,750hm	4 VS(VBS)1.0Vp-p,750hm
Video output	1 VS(VBS)1.0Vp-p,750hm	4 VS(VBS)1.0Vp-p,750hm
Display Characters	1.Year-month-day,week,hour-minute-second 2.16 Character "A-Z"."0-9"?,!,:,',,,, ,+,-, × ,/,=,&,ETC 3.80%display 4.Character brightness adjustable	1.Year-month-day,week,hour-minute-second 2.16 Character "A-Z"."0-9"?,!,:,',,,, ,+,-, × ,/,=,&,ETC 3.80%display 4.Character brightness adjustable
Battery markup	Accurate clock operation for up to 7 years.	Accurate clock operation for up to 7 years.
Touch pad	3 pad botton	3 pad botton
Connector	F or BNC type.	F or BNC type.
Input Voltage	AC117V/240V,60Hz/50Hz	AC117V/240V,60Hz/50Hz
Operating Temperature	-10℃ to +60℃	-10℃ to +60℃
Dimensions	150(W) × 60(H) × 186(D)mm	150(W) × 60(H) × 186(D)mm
Weight	1.23kg	1.23kg

VIDEO MOTION DETECTOR

Speciation \ Type	PIH-6004
System	NTSC / PAL
Input Voltage	117 / 230Vac
Power Consumption	7W
Video Inputs	1 x 1.0 ~ 2.0Vp-p 75W
Video Outputs	2 x 1.0 ~ 2.0Vp-p 75W
Sensitivity	100mV signal variation
Detection Zones	4 x Adjustable zones on-screen
Alarm Indication	Flashing Zone, LED & buzzer
Alarm Output	1 x NO / NC Global 4 x NO Zone specific
Construction	Steel, Silver Gray Baked Enamel Finish
Operating Temperature	-5℃~ +50℃
Dimension (mm)	273 (W) x 60 (H) x 219 (D)
Weight	3Kg

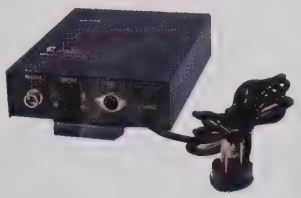
- 360° NETWORK SURVEILLANCE SOLUTION
- Plug-n-play Web Based User Interface
- High-resolution Real-time Video Image
- DDNS Ready for Dynamic IP
- PTZ Controllable Via Both Web Browser and Keyboard
- SDK Document Included

SPECIFICATIONS (page6)

SWITCHER

Name / Speciation / Type	Video Switch Control 4-CH	Video Switch Control 8-CH	Video Switch Control With Audio 4-CH	Video Switch Control With Audio 8-CH
	PIH-2304	PIH-2308	PIH-2304A	PIH-2308A
Video Input/Output	4/1	8/1	4/1 , 4/1	8/1 , 8/1
Transfer/Connection	RS485,Twisted Pair	RS485,Twisted Pair	RS485,Twisted Pair	RS485,Twisted Pair
Contral	Pan - Up / Down, Lens-Zoom, Focus, Iris, Housing - Washer, Wiper, Heater, Blower Camera Contral Voltage - AC220V	Pan - Up / Down, Lens-Zoom, Focus, Iris, Housing - Washer, Wiper, Heater, Blower Camera Contral Voltage - AC220V	Pan - Up / Down, Lens-Zoom, Focus, Iris, Housing - Washer, Wiper, Heater, Blower Camera Contral Voltage - AC220V	Pan - Up / Down, Lens-Zoom, Focus, Iris, Housing - Washer, Wiper, Heater, Blower Camera Contral Voltage - AC220V
Global Dell Times	1-35S	1-35S	1-35S	1-35S
Swith/Contral	Bypass/Auto/Home	Bypass/Auto/Home	Bypass/Auto/Home	Bypass/Auto/Home
Loudhailer	———	———	3W, 8Ω	3W, 8Ω
Power Consumption	2W	2W	2W	2W
Power Input Voltage	AC220V	AC220V	AC220V	AC220V
Construction	steel,silver gray baked enamel finish	steel,silver gray baked enamel finish	steel,silver gray baked enamel finish	steel,silver gray baked enamel finish
Dimensions	384(W) × 252(H) × 60(D)	384(W) × 252(H) × 60(D)	384(W) × 252(H) × 60(D)	384(W) × 252(H) × 60(D)
Weight	4.1kg	4.1kg	4.1kg	4.1kg

RECEIVER



Name / Speciation / Type	PAN, TILT & LENS HOUSING RECEIVER	PAN, TILT & LENS HOUSING RECEIVER	PAN, TILT & LENS RECEIVER	PAN, TILT & LENS RECEIVER
	PIH-231-24V	PIH-231-220V	PIH-232-24V	PIH-232-220V
Transfer/ Connection	RS485,Twisted Pair	RS485,Twisted Pair	RS485,Twisted Pair	RS485,Twisted Pair
Transfer Distince	1~2Km	1~2Km	1~2Km	1~2Km
Pan/ Tilt Control Voltage	AC24V	AC220V	AC24V	AC220V
Lens Control Voltage	DC ± 8V	DC ± 8V	DC ± 8V	DC ± 8V
Housing Control Voltage	AC24V	AC200V	———	———
Camera Control Voltage	AC220V	AC220V	AC220V	AC220V
Power Consumption	AC220V	AC220V	AC220V	AC220V
Power Input Voltage	5W	5W	5W	5W
Construction	steel,silver gray baked enamel finish	steel,silver gray baked enamel finish	steel,silver gray baked enamel finish	steel,silver gray baked enamel finish
Dimensions	158(W) × 205(D) × 56(H)mm	158(W) × 205(D) × 56(H)mm	158(W) × 205(D) × 56(H)mm	158(W) × 205(D) × 56(H)mm
Weight	2.5kg	2.5kg	2.5kg	2.5kg
Mounting (Service)	Outdoor installation need waterproof	Outdoor installation need waterproof	———	———

MATRIX

Speciation \ Name	MATRIX 16 - CH	MATRIX 32 - CH	MATRIX 64 - CH
Type	PIH-816	PIH-832	PIH-864
Camera Inputs	16	32	64
Monitor Outputs	8	8	16
Alarm Connectors	16 In / 1 Out	32 In / 1 Out	64 In / 1 Out
System	NTSC / PAL		
Input Voltage	117Vac / 230Vac		
Power Consumption	14W		
Frequency Response	10Hz - 8MHz, - 3dB		
S / N Ratio	Better than 60dB		
Video Input	CVBS 1.0Vp-p 75_		
Keyboard Control	Max. 8 RS-485		
PC Control	Max. 1 RS-232 (External Interface Required)		
Operating Temperature	-5℃- +60℃		
Dimension (W x H x D mm)	434 x 90 x 290	434 x 90 x 290	434 x 135 x 290
Weight	5.7 Kg	5.7 Kg	8.0 Kg

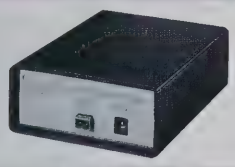
KEYBOARD CONTROLLER

PIH-800II

Input Voltage	12Vdc
Power Consumption	3W (250mA)
DIP Switch Setting	Direct to Dome / Master / Slave 1-7
Output	RS-485
Input	RS-485

RS-485 Max. Distance	1000m
Operating Temperature	-5℃ ~ +50℃
Dimension (mm)	315 (W) x 190 (H) x 83 (D)
Weight	1.2Kg
———	———

DATA DISTRIBUTOR

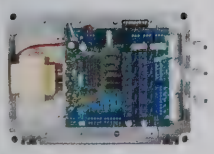


PIH-804

Input Voltage	12Vdc
Power Consumption	3W (250mA)
Telemetry Output	RS-485
Telemetry Input	RS-485

RS-485 Max. Distance	1000m
Operating Temperature	-5℃~ +50℃
Dimension (mm)	105 (W) x 40 (H) x 135 (D)
Weight	0.4Kg

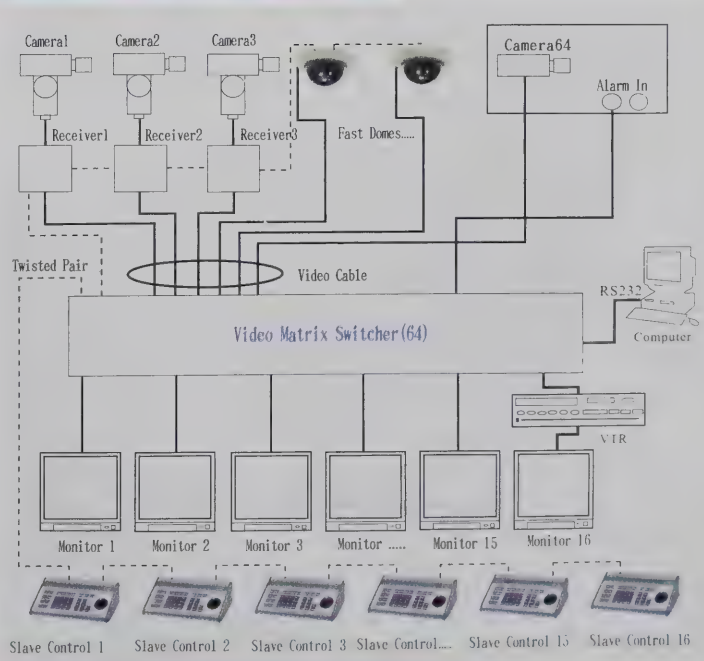
TELEMETRY RECEIVER



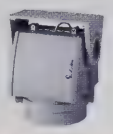
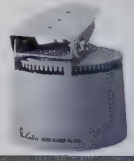
PIH-820

Input Voltage	117 / 230Vac
Power Consumption	14W (1.2A)
Power Consumption	36W (3A) with PTZ
Pan & Tilt Output	24 / 117 / 230Vac
Lens Output	6 / 12Vdc
DIP Switch Setting	1 ~ 64
Telemetry Output	RS-485
Telemetry Input	RS-485
RS-485 Max. Distance	1000m
Operating Temperature	-5℃ ~ +50℃
Dimension (mm)	310 (W) x 130 (H) x 230 (D)
Weight	3.6Kg

SYSTEM DIAGRAM

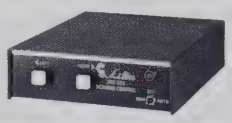


INDOOR PAN & TILT HEAD

Name / Type / Speciation / Model	INDOOR PAN & TILT HEAD	OUTDOOR PAN & TILT HEAD	OUTDOOR PAN & TILT HEAD(Heater)	INDOOR SCANNER
				
Model	**PIH-302**	**PIH-303**	**PIH-303H**	**PIH-305S**
Pan / Tilt T		Pan-350° ,Tilt UP-50° ,Down - 50°	Pan-350° ,Tilt UP-50° ,Down - 50°	350° ,auto scanne
Pan Spe		6° /second	6° /second	5° /second(Scanne-350°)
Tilt/Pan S		4° /second, 6° /second	4° /second	———
Heate		———	Open/stopTemperature:5℃ ~ 16℃	———
Duty Cy		Pan: continuous, Tilt: intermittent	Pan: continuous, Tilt: intermittent	———
Maximum		15Kg	15Kg	7Kg
Input Vo		AC24 / 220V	AC220V	AC24 / 220V
Power Cons		10W(AC24V)/6W(AC220V)	10W(AC24V)/6W(AC220V)	3W
Connections	7UTP	7UTP	7UTP	4UTP
Seals	———	Watter-Procf Gasket Seals	Watter-Procf Gasket Seals	———
Construction	Aluminum, Plastic	Aluminum, Plastic	Aluminum, Plastic	Aluminum, Light Gray
Dimension (mm)	ø 115 x 184 (H)	ø 200 x 248 (H)	ø 200 x 248 (H)	ø119 x 115(H)
Weight	1.9Kg	5.7Kg	5.7Kg	0.9Kg

Mike or
09415
8118
BRYAN

PAN & TILT CONTROLLER

Name / Type / Speciation / Model	OUTDOOR PAN & TILT CONTROLLER	INDOOR PAN & TILT CONTROLLER	SCANNER CONTROLLER 1- CH	SCANNER CONTROLLER 5- CH
				
Model	**PIH-301C**	**PIH-302C**	**PIH-306**	**PIH-307**
Power Switch	Manual / Auto / Off,Left / Right, Up / Down	Manual / Auto / Off,Left / Right, Up / Down	Manual / Auto / Off,Left / Right, Up / Down	Manual / Auto / Off,Left / Right, Up / Down
Input Voltage	AC220V	AC220V	AC220V	AC220V
Output Voltage	AC24V/AC220V	AC24V/AC220V	AC24V/AC220V	AC24V/AC220V
Control Distance	PIH-303:150m(MAX)	PIH-303:150m(MAX)	———	———
Construction	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish
Dimension (mm)	152 (W) x 56 (H) x 188 (D)	152 (W) x 56 (H) x 188 (D)	152 (W) x 56 (H) x 188 (D)	273 (W) x 60 (H) x 192(D)
Weight	1.25Kg	1.25Kg	1.25Kg	2.2Kg

PAN / TILT & LENS CONTROLLER

Name / Type / Speciation / Model	MULTIOLE PAN, TILT & LENS CONTROLLER 1- CH	MULTIOLE PAN, TILT & LENS HOUSING CONTROLLER 1- CH	MULTIOLE PAN, TILT & LENS CONTROLLER 5- CH
Model	**PIH-309E**	**PIH-309**	**PIH-308**
Power Switch	Auto/Man	Auto/Man(1), Housing - Washer, Wiper, Heater, Blower(4)	Pan/Tilt(5),Lens(5),Pan/Tilt、Lens(1)
Power Control	Pan - Up / Down,Lens-Zoom, Focus, Iris	Pan - Up / Down,Lens-Zoom, Focus, Iris	Pan - Up / Down,Lens-Zoom, Focus, Iris
Switch	Lens Speed control	Lens Speed control	Lens Speed control
Lens Output Voltage	DC6 -12V(Adjustable)	DC6 -12V(Adjustable)	DC6 -12V(Adjustable)
Pan/Tilt Output Voltage	AC24V/AC220V	AC24V/AC220V (Pan/Tilt,Housing)	AC24V/AC220V (Pan/Tilt,Housing)
Input Voltage	AC220V	AC220V	AC220V
Construction	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish
Dimension (Mm)	273 (W) x 60 (H) x 192 (D)	384 (W) x 60 (H) x 252 (D)	384 (W) x 60 (H) x 252 (D)
Weight	2.4Kg	3.75Kg	4.3Kg

HOUSING

OUTDOOR HOUSING

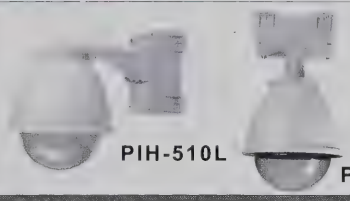
PIH-5050

Mounting	Bottom
Operating Environment	-25℃~+80℃Corrosive fumes Environment
Heater	Activation Temperature(+15℃~+25℃)
Rating	IP68
Window	6mm Tampered Glass
Air Filling	Dry Nitrogen
Safety Pressure Valve	Adjustable 5-15PSI

Air Pressure Test	Max.20PSI
Sun Shield	Optional
Seal Connector	Seal Metal 14 pins connector
Construction	Stainless AISI S316
Power Input	AC220V/AC110/AC24V
Dimension (mm)	170 (W) x 470(L) x 193 (H) x 134(Inner Diameter)
Weight	2Kg

OUTDOOR DOME CONFIGURATION

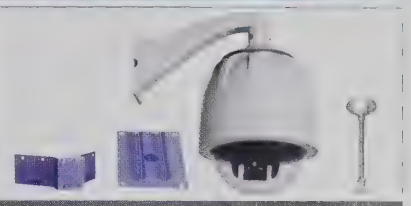
Type / Speciation / Model



Model		PIH-510L	PIH-510H
Type		Wall Mounting	Pendant
Construction	Brocket	Aluminum	
	Top	Flame Resistant ABS	
	Internal Fixing	Steel	
	Housing	Polycarbonate	
Connection PCB	Input Voltage	DC12V	
	Current Consumption	700mA (Fan + Heater)	
	RS-485	RS-485 In (2 inputs) RS-485 Out (2 outputs)	
	Alarm	Alarm-In (6 inputs) Alarm-Out (3 outputs)	
Heater Activation		On: +15 ℃ OFF: +25 ℃	
Fan Activation		On: +35 ℃ OFF: +25 ℃	
Dimension		270mm x 297.5mm(H)	
Weight		5Kg	4.8Kg

OUTDOOR DOME CONFIGURATION

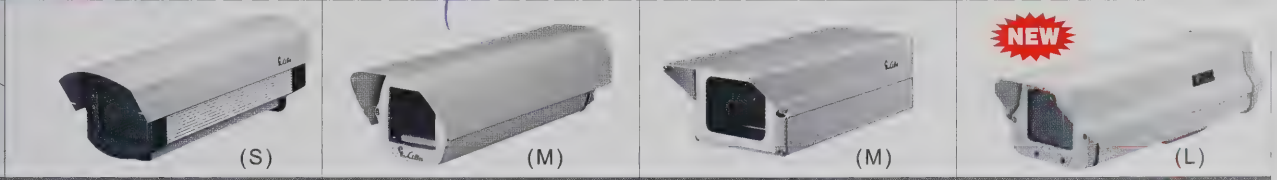
Type / Model / Speciation



Model	PIH-519
Mounting Type	Outdoor Wall Mount / Outdoor Corner Mount / Outdoor Pole Mount / Indoor Pendant
Construction	Main parts:ABS plastic Viewing wondow:Optical glass from US
Blow mode	Blower: (Open/Stop Temperature 35℃_25℃)
Heater	Heater: (Open/Stop Temperature 10℃_25℃)
Dimension (mm)	Ø270X297.5(H)mm
Weight	5kg

INDOOR HOUSING

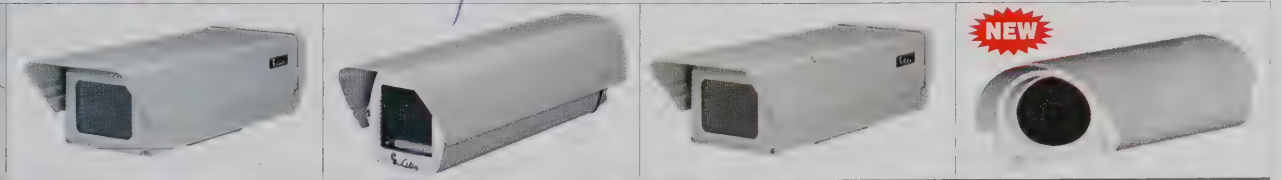
Type / Model / Speciation



Model	PIH-5011	PIH-5015	PIH-5020	PIH-5040S
Mounting	Bottom	Bottom	Bottom	Bottom
Construction	Aluminum	Aluminum	Aluminum	Aluminum
Window Dimension (mm)	65 (W) x 60 (H)	65 (W) x 60 (H)	84 (W) x 60 (H)	74 (W) x 60 (H)
Unable Camera And Lens	250mm(Max)	250mm(Max)	———	250mm(Max)
Dimension (mm)	100 (W) x 110 (H) x 384(D)	112 (W) x 105 (H) x 410 (D)	124 (W) x 95 (H) x 395 (D)	142 (W) x 114 (H) x 400 (D)
Weight	1.15Kg	1.15Kg	1.22Kg	1.3Kg

OUTDOOR HOUSING

Type / Model / Speciation



Model	PIH-5030	PIH-5035	PIH-5040	PIH-5060
Mounting	Bottom	Bottom	Bottom	Bottom
Construction	Aluminum	Aluminum	Aluminum	Aluminum
Window Dimension (mm)	84 (W) x 60 (H)	90 (W) x 80 (H)	84 (W) x 60 (H)	93 (W) x 75 (H)
Unable Camera And Lens	300mm(Max)	300mm(Max)	300mm(Max)	300mm(Max)
Blow mode	Blower: (Open/Stop Temperature 40℃~35℃)	Blower: (Open/Stop Temperature 40℃~35℃)	———	Blower: (Open/Stop Temperature 40℃~35℃)
Active Caps option	Heater: (Open/Stop Temperature 5℃~16℃)	Heater: (Open/Stop Temperature 5℃~16℃)	———	Heater: (Open/Stop Temperature 5℃~16℃)
Dimension (mm)	142(W) x 104 (H) x 384 (D)	142(W) x 135 (H) x 485 (D)	142(W) x 104 (H) x 386 (D)	150(W) x 113 (H) x 465 (D)
Weight	2.5Kg	2.6Kg	2Kg	2.5Kg

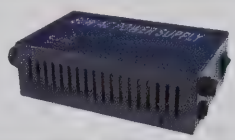
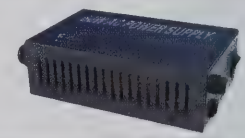
CAMERA BRACKET

Name / Type / Model / Speciation	SHORT BRACKET	MIDDLE BRACKET	LONG BRACKET	CURVED BRACKET	CURVED BRACKET
Model	**PIH-5005S**	**PIH-5005M**	**PIH-5005L**	**PIH-5005E**	**PIH-5005J**
Maximum Load	5Kg	5Kg	5Kg	5Kg	5Kg
Rotate Angle	Pan & Tilt	Pan & Tilt	Pan & Tilt	Pan & Tilt	Pan & Tilt
Swivel Angle	360max,adjustable head	360max,adjustable head	360max,adjustable head	360max,adjustable head	360max,adjustable head
Screw Size	1/4"	1/4"	1/4"	1/4"	1/4"
Construction	Steel, Light Gray	Steel, Light Gray	Steel, Light Gray	Steel, Light Gray	Steel, Light Gray
Dimension (mm)	Ø120 (Chassis) ×128 (L) mm	Ø120 (Chassis) ×178 (L) mm	Ø120 (Chassis) ×228 (L) mm	Ø120mm(Chassis) ×200 (L) mm	Ø120mm(Chassis) ×300 (L) mm
Weight	230g	245g	265g	0.65Kg	0.65Kg

CAMERA BRACKET

Type / Model / Speciation	(Outdoor)		
Model	**PIH-303B**	**PIH-5003**	**PIH-5004**
Active Cap	——	——	Available to adjust camera angle
Maximum Load	30Kg	10Kg	10Kg
Construction	Aluminum, Light Gray	Aluminum, Light Gray	Aluminum, Light Gray
Dimension (mm)	160(W) x 468(H) x200(D)	85(W) x 309(H) x 99(D)	85(W) x 309(H) x 99(D)
Weight	3Kg	0.45Kg	0.6Kg

POWER SUPPLY

Name / Type / Model / Speciation	POWER SUPPLY (TO PIH-308)	POWER SUPPLY TO CAMERA	POWER SUPPLY TO CAMERA
			
Model	**PS-10**	**PS-13**	**PS-16**
Input Voltage	117 / 230Vac	117 / 230Vac	117 / 230Vac
Current	5A	5A	5A
Output Voltage	24Vac	24Vac	24Vac
Construction	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish	Steel, Silver Gray Baked Enamel Finish
Operating Temperature	-5℃~ +50℃	-5℃~ +50℃	-5℃~ +50℃
Dimension (mm)	186 (W) x 60 (H) x 150(D)	195 (W) x 50 (H) x 98(D)	195 (W) x 50 (H) x 98(D)
Weight	3.9Kg	1.3Kg	1.6Kg

Heater(Housing)	OPEN/STOP Temperature :5℃~16℃

REAL-TIME EMBEDDED DVR

- High stability
- High quality image
- Support PAL and NTSC systems
- Huge storage capability
- The operation simple and easy
- The operation simple and easy
- Long-distance controlled by the network

PDR-1600 | REAL-TIME EMBEDDED DVR

NEW

FEATURE

- Advanced MPEG-4 Compression. The settings of resolution, frame rate and record time can be set up individually.
- In the case of a power failure the unit will restart automatically and resume recording once the power comes back on. Plug in and forget, suitable for all working environments.
- The systems built in watchdog function allows for a prompt restart of less than 10 seconds to minimize down time.
- The unit's motion function can pre-record a set time limit before and after the detected motion. Masking feature can allow user to block a certain private area while recording the acceptable targeted area. Multiple alarm inputs and a video-loss warning occurs when cameras cease recording.
- User-friendly GUI makes the operation simple and easy.
- Data encryption technique and 3-levels passwords ensure the system cannot be operated or used by illegal users.
- Video and VGA output.
- Monitor and backup over LAN/WAN.
- User information log.
- Position of On-Screen-Display.

Redundancy backup capability minimize data loss

Motion detection function

Protect the privacy area

Video

Model	PDR-1600(4)	PDR-1600(8)
Compression	MPEG-4	
Display frame speed	25 F/S/R	
Record frame speed	25F/S/R can be adjusted	
Display resolution	704 × 576	
Record resolution	352 × 288	
Output interface	4ch BNC	8ch BNC
	Vp-p=1.0V/75Ω	Vp-p=1.0V/75Ω
Output bit rate	1ch BNC,1ch VGA	
Input connector	128kbps — 2.0Mbps/ch	

Audio

Model	PDR-1600(4)	PDR-1600(8)
Compression	G.722	
Input interface	4ch RCA	8ch RCA
Output interface	1ch RCA	
Output bit rate	3Kbps	

Alarm / Interface

Model	PDR-1600(4)	PDR-1600(8)
Alarm input	4ch input	8ch input
Alarm output	2ch output	4ch output
Switch output	AC-250V/5A,DC-20V/ 12A	
Bus controller	RS485	
HDD interface	IDE interface, support max 8 HDD, any capability is available	
Network	10/100M Ethernet , LAN,INTERNET	
System upgrade interface	Serial port(RS232),10/100M Ethernet interface	

4 channels specification for 24 Hours Continued Record

IMAGE	HDD SPACE/HOUR	120G HDD/TIME	80G HDD/TIME
128K(normal)	60MB/H/R	22days	14days
256K(usually)	120MB/H/R	10days	8days
512K(standard)	240MB/H /R	6days	4days
768K(good)	350MB/H/R	4days	2days
1152K(better)	510MB/H/R	48hours	40hours
2M(best)	900MB/H/R	34hours	24hours

8 channels specification for 24 Hours Continued Record

IMAGE	HDDSPACE/HOUR	120G HDD/TIME	80G HDD/TIME
128K(normal)	60MB/H/R	11days	7days
256K(usually)	120MB/H/R	5days	4days
512K(standard)	240MB/H/R	3days	2days
768K(good)	350MB/H/R	2days	1days
1152K(better)	510MB/H/R	24hours	20hours
2M(best)	900MB/H/R	17hours	12hours

ALL ABOVE REFERENCE

Standard

Model	PDR-1600(4)	PDR-1600(8)
Power supply	Standard ATX power(AC:220V ± 10%,50 ± 1Hz)	
Work temperature	0-55℃	
Work humidity	< 80%RH	
Power consumption	30W(not include HDD)	
Dimension	430(W)X410(D)X145(H)mm	
Weight	8.5kg without HDD	

VEHICLE DVR

PDR-1602 | LI-LIN REAL TIME EMBEDDED VEHICLE DVR

FUNCTIONS ARE AS FOLLOWS

- Adopt the advanced PSOS Embedded operating system (RTOS) , Solving the problem of PC down
- Video compression adopts the MPEG 4 arithmetic, there are various compression grades for each channel (16_144K K/S/C)
- Video real-time display resolution is (704 × 576) . the record resolution is (352 × 288)
- The recording data can easily be playback on a PC with the Client software
- Audio-monitoring, provide multi-images monitoring (TV output, support 1 or 2 images display , and can switch it freely)
- Support the data transfer via LAN and Metro
- Password restriction, log search make it secure and reliable

SPECIFICATIONS

Operation system	RTOS(Psos)
Power supply	Standard ATX power(AC:12/24V ± 10%)
Power consumption	20W (not include HDD)
Dimension	162 × 110 × 295mm
Weight	3.5KG(not include HDD)
Video	Compression:MPEG4
	Display frame speed:25F/S
	Record frame speed:25F/S,can be adjusted
	Display resolution:704 × 576,
	Record resolution:352 × 288
	Input interface:2ch BNC Vp-p=1.0V/75Ω
	Output interface:1ch BNC
	Output bit rate:128kbps — 1152kbps/ch
Audio	Compression:G.722
	Input interface:2ch RCA
	Output interface:1ch RCA
	Output bit rate:3Kbps
Alarm	4ch input/2ch output
Search mode	YY/MM/DD,HH/MM/SS
Bus-controller	RS485
HDD interface	IDE interface, support 1 HDD,any capability is available
Network	10/100M Ethernet, LAN、MAN
P/T/Z	support
System upgrade interface	Serial port (RS232) 、10/100M Ethernet interface

STAND ALONE DVR

4CHANNELS SPECIFICATION FOR 24 HOURS CONTINUED RECORD

IMAGE	HDD SPACE/H	160G HDD/TIME*
1	1143MB/H	6days
2	967MB/H	7 days
3	879MB/H	8 days
4	791MB/H	9 days
5	615MB/H	11 days
6	440MB/H	16 days
7	352MB/H	19 days
8	264MB/H	26 days

PIH-4404Q | LI-LIN 4CHANNEL REAL TIME EMBEDDED NETWORK DVR

FUNCTIONS ARE AS FOLLOWS

- Purely embedded shelf and real-time operating system, ultra-temperature stability.An Industry Standard 1U case has been used. It is easy to Install and store due to size.
- Adopts pure hardware MPEG-4 compression, four channel picture display, record in real time (8 shelves picture quality adjustable)
- Duplex operation is achieved with a monitor, video and playback operation. The network transmits information this is shown on the networked screen so you don't miss any details.
- Four channel video and two channel audio input. Two channels of video (monitor in the playback) output, and one channel via the VGA output. Two-channel audio output.
- Four channels alarm input. Four-channel alarm output with Watch Guard style function to deploy troops on garrison duty in real time, or withdraw a garrison.
- Panel or remote control operated, English menu. Double passwords protection and the fraction limit are managed, convenient and safe.
- Uses Internet Explorer to navigate directly it sets up DVR parameters for long-distant transmissions through the network, facilitates system combination.
- Supports a Compact Flash-card and IBM micro drive to minimize hard disk on back up.
- Can control Scanners and lenses via alarm outputs (the signal of the video loss activates auto alarm), Motion Detection has been perfected.

SPECIFICATIONS

System	Operation Interface	Figured Menu Operation Interface (OSD menu)
	Password control	User password, manage password
Video	Video Input	4channel input alone. 1.0Vp-p, 75Ω BNC
	Video Output	2channel PAL/NTSC output 1.0Vp-p, 75Ω BNC, complex video signal 1channel VGAD display interface output
	Video Display	Any single picture, four picture display modes
	Video Standard	PAL rule 25Frame/ second CCIR625Lines 50 field
		NTSC Rule 30Frame/ second CCIR525Lines 60 field
	System resources	Real-time record can carry on 1chn at the same time / 4 channels is compared with the video playback; 1/4 chn
		monitored, the network monitors in real time
Audio	Audio Input	2 channel input independently 600Ω RCA
	Audio Output	One channel monitor audio output, 1channel playback audio output 600Ω RCA
	Basic output level	1.0—2.2V
	Record Mode	Sound and picture synchronization
	Audio Compression	MP2
Digital processing and storing	Picture Compression	MPEG-4 Variable yard flows \Regular yard flows
	Image Format	CIF Format (352 × 288 picture element)
	Video yard rates	12.5K-112.5Kbyte/s
	The video takes up the hard disk	45M-405Mbyte/hour
	Resolution Ratio	Playback 352× 288 picture element, monitor 704×576 picture element in real time, VGA outputs 720× 576 picture element
	Video flowing standard	ISO14496
	Audio flowing Standard	MP2
	Audio yard rates	8Kbyte/s
	The audio takes up the hard disk	28.8Mbyte/ hour
	Inside storing	1-2 IDE hard disk, support the hard disk of the large capacity of above 200G
	Picture Quality	8 grades Adjustable: 1-8 grade
	Data read and written mode	All duplex
Alarm	Motion detection	Can set up 192 (16 × 12) one measure the area , sensitivity of 16 grades is adjustable
	Input	4 channels alarm input independently, the switch amount is imported
	Output	4 channel alarm output independently, the switch amount 12VDC of the relay, 500MA
	Alarm mode	Open/ Closed
Interface network of the communication	Serial interface	RS485 signal, Connect scanner and decoder
	Serial interface	RS232, Universal Serial interface
	Interface of the network (select to put)	RJ-45 10M/100M Ethernet interface
	The network transmits the agreement	Support TCP/IP、UDP/IP
	Network transmit mode	Dial to visit、ADSL、ISDN、LAN、Land network of the city
	Browse Mode	The network browses mode adopts IE browser
Other	Power supply	AC 220V ± 20%, 50Hz ± 2%
	Power	15W (Not Include HDD)
	Dimension	438 (W) × 64 (H) × 370 (D) mm
	Weight	5KG (not include HDD)
	Clock	The hard clock is put inside, perpetual calendar

STAND ALONE DVR

- Embedded chipset
- Motion JPEG Compression
- 120fps(NTSC) /100fps(PAL)Live Display
- 30fps(NTSC)/25fps(PAL) Recording
- Full screen or QUAD recording
- Display resolution 720 × 480
- Brightness contrast and color set up for individual camera
- Warning message and audio warning for video loss and alarm detection
- 4 levels recording quality
- Frame by frame playback and alarm event list
- English,Japanese,Portuguese,Spanish, Italian and German-menu
- Panel keypad lock
- Motion Detection(option)
- Network Connection(option)
- Voice Recording(option)

PIH-4404M | STAND ALONE DVR

NEW

DESCRIPTION

PIH-4404M is a cost-effective, user-friendly 4 channel digital video recorder, combining all functions of multiplexer,digital image compression processor and data recorder. Stand Alone design requires no operation system, easy to operate,all controls can be done through front panel.PIH-4404M adopts Advance MJPEG compression technology, recording speed is up to 30 fields per second for quad recording or 7.5(NTSC)/6.25(PAL) fields per second for each channel on full screen mode recording. Overwrite function allows system overwriting the oldest data when hard disk is full,no more tape change requires.Data can be searched by date and time,providing quick and easy data search for playback.

SPECIFICATIONS

Model		PIH-4404M	
System		NTSC	PAL
Display Speed		Total 120 fps	Total 100 fps
Display Resolution		720 × 480	720 × 576
Record Speed	Quad	Maximum 30 fps	Maximum 25 fps
	Single	Maximum 30 fps ÷ Number of Recording Channel	Maximum 25 fps ÷ Number of Recording Channel
Record Resolution	Quad	320 × 112	320 × 136
	Single	640 × 224	640 × 272
Video Input		4 BNC(1.0Vp-p Composite 75Ω)	
Video output		2 BNC(1.0Vp-p Composite 75Ω)	
Input Voltage		100~240Vac 50/60Hz	
Power Consumption		24W	25W
Screen Division		1,4	
Record Mode		Continuous/Manual/Alarm/Schedule	
Motion Detection		option	
Voice Recording		option	
Network Connection(option)		PSTN LAN Internet	
Compression Format		Modified MJPEG, 4 Compression Ratios	
Data Search		Quick Data Search by Date & Time	
Play Back Operation		Play/Stop/Fast Forward/Backward/Pause/Frame by Frame	
Data Display		Camera Numbers,Date & Time, Recording Status Display	
Storage		Expandable up to 2 HDD,"auto overwrite" or "stop" selectable when HDD is full	
Alarm Input		4 Alarm Inputs(NO/NC)	
Alarm Output		1 Alarm Output(NO)	
System Function		On Screen Display Setup Menu(Brightness/Contrast/Color)	
Dimensions(mm)		370(L) × 430(W) × 64(H)	
Weight		5Kg(HDD not included)	

PC BASED REAL-TIME DIGITAL VIDEO RECORDER | PIH-4416P |

| PIH-4408P |

| PIH-4404P |

NEW

FEATURE

- Adopt MPEG-4 compression,high compression techniques.And it has superb image quality.
- Adopt MP3 audio format.You can select mono or stereo.Sampling rate is 16Khz or 44.1Khz.Output coding rate is 8Kbps-160Kbps.
- Compatible with DVIX and support media player.
- The compression and combination of audio signal and video signal can be fullfilled independently in one board.It can support 16ch in one PC.
- Audio and video keep synchronous stably all the time.
- Searching resolution can be selected among CIF,HALF-D1,D1.And different format can be blendly used in one system.
- Both frame rate and image quality can be set at your will.
- Provide system SDK,network SDK and media player SDK for PC platform.
- Delay time is less than 200 MSEL(0.2 second) in Lan system.

SPECIFICATION

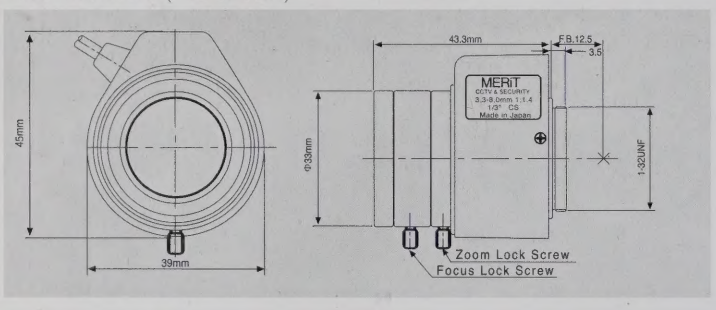
Operation system	Windows 2000/XP
HDD support	All brand HDD with every capability. Max HDD are available.
PCI standard	PCI V2.1 standard
Video	Compression :MPEG-4 V2 Input interface:4ch BNC
Audio	Compression format:MP3 Input interface:4ch RCA
Remote control	Transmission: TCP/IP*Multicast ,UDP for LAN,E1,ISDN,ADSL and MODEM Recording: support Talking: support
	Alarming: support P/t/z: support
Resolution	CIF: 352 × 288(PAL),352 × 240(NTSC) Half D1:704 × 288(PAL),720 × 240(NTSC) D1:704 × 576(PAL),720 × 480(NTSC)
Frame rate	CIF:Real time 4ch PAL:100F/S, NTSC:120F/S HalfD1: Nonreal time 4ch PAL:50F/S, NTSC:60F/S D1: Nonreal
	time 2ch PAL:20F/S, NTSC:30F/S
Field/frame motion forecast	+/-127 horizontal PEL +/- 63 vertical PEL with half-PEL accuracy High precision DCT/IDCT
Screen division	1, 4, 9, 16 division
Record mode	Time recording,alarm recording(motion detection and alarm linkage),manual recording
Search mode	YY/MM/DD,HH/MM/SS
Alarm input/output	16CH input/8CH output
Data transmission interface	Network interface(RJ45)*serial port
Dimension	482(W) × 500(D) × 182(H)MM
Weight	19kg

3.3-8mm IR Vari-Focal Lenses (DC/Manual)

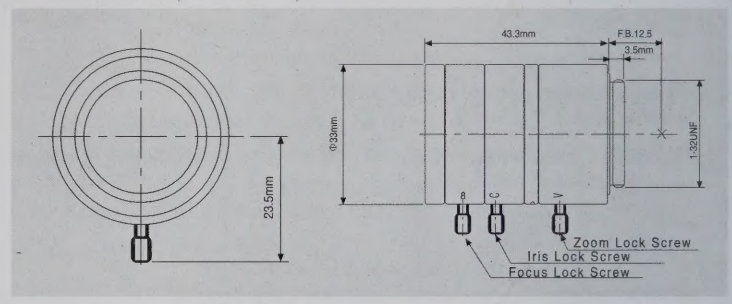
- Glass Aspherical lens integrated
- IR corrected (no focus shift between visible light and IR light) and ideal for Day&Night camera
- High resolution
- Crisp picture
- Compact and light weight

Model	Focal Length	Aperture	M.O.D	Description	Field of View		
					D	H	V
AVD3314IR	3.3~8mm	F1.4~F360	0.3m	Manual Zoom Auto Iris DC	101.5° ~ 43.3°	81.1° ~ 34.5°	60.4° ~ 25.8°
AVM3314IR	3.3~8mm	F1.4~F360	0.3m	Manual Zoom Manual Iris	101.5° ~ 43.3°	81.1° ~ 34.5°	60.4° ~ 25.8°

DIMENSIONS (AVD3314IR)



DIMENSIONS (AVM3314IR)

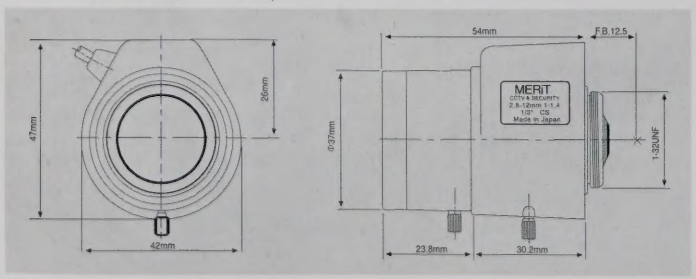


2.8-12mm Vari-Focal Lenses (DC/Manual)

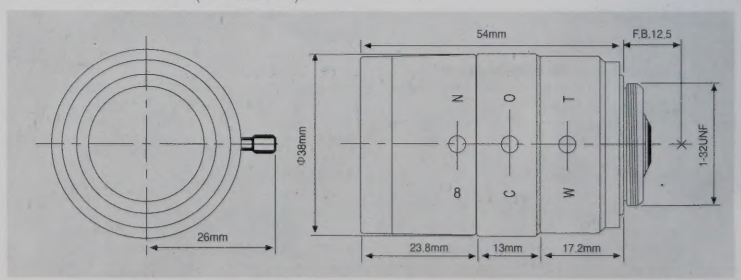
- Glass Aspherical lens integrated
- large magnification
- can cover almost all indoor application
- High resolution
- Crisp picture
- Compact and light weight

Model	Focal Length	Aperture	M.O.D	Description	Field of View		
					D	H	V
AVD2814	2.8~12mm	F1.4~F360	0.3m	Manual Zoom Auto Iris DC	115.2° ~ 28.5°	92.2° ~ 22.8°	69.1° ~ 17.2°
AVM2814	2.8~12mm	F1.4~F360	0.3m	Manual Zoom Manual Iris	115.2° ~ 28.5°	92.2° ~ 22.8°	69.1° ~ 17.2°

DIMENSIONS (AVD2814)



DIMENSIONS (AVM2814)

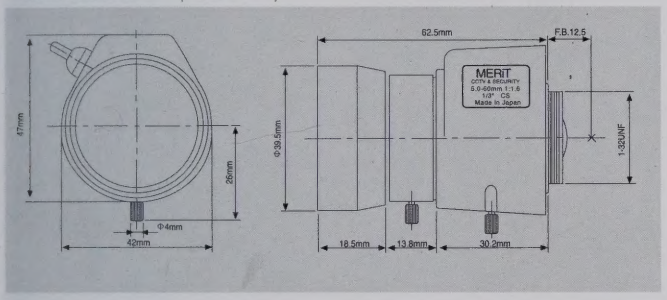


5-60mm Vari-Focal Lenses (DC/Manual)

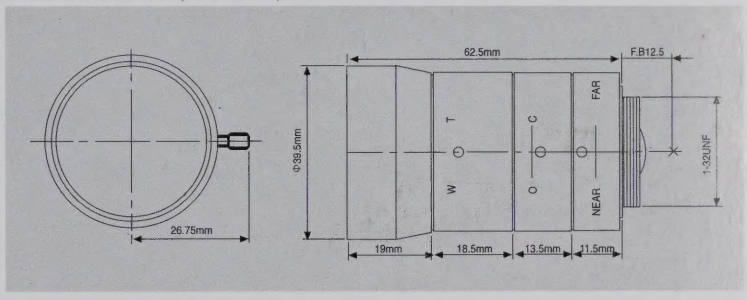
- Glass Aspherical lens integrated
- 12X maginification (more telephoto is acheived)
- High resolution
- Crisp picture
- Compact and light weight

Model	Focal Length	Aperture	M.O.D	Description	Field of View		
					D	H	V
AVD0516	5~60mm	F1.6~F360	0.3m	Manual Zoom Auto Iris DC	65.5° ~ 5.8°	52.5° ~ 4.6°	39.4° ~ 3.4°
AVM0516	5~60mm	F1.6~F360	0.3m	Manual Zoom Manual Iris	65.5° ~ 5.8°	52.5° ~ 4.6°	39.4° ~ 3.4°

DIMENSIONS (AVD0516)



DIMENSIONS (AVM0516)

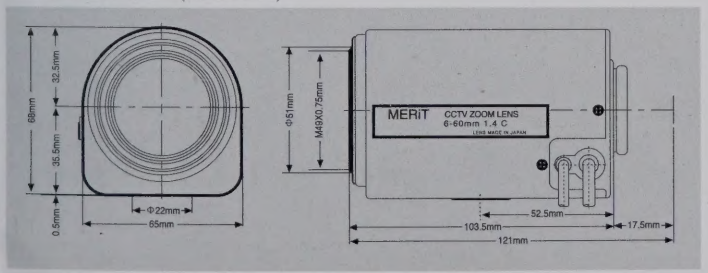


6-60MM 8-80MM Motorized Zoom Lenses

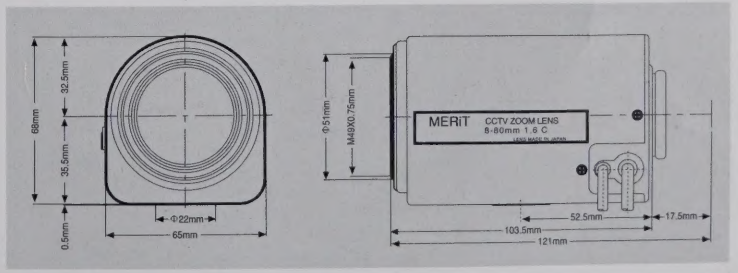
- Glass Aspherical lens integrated
- High resolution
- Crisp picture
- Compact and light weight

Model	Focal Length	Aperture	M.O.D	Description	Field of View		
					D	H	V
AZD0614	6.0~60mm	F1.4~F360	1m	Iris DC Focus DC Motor Zoom DC Motor	54.4° ~ 5.4°	43.4° ~ 4.6°	33.0° ~ 3.5°
AZD0816	8.0~80mm	F1.6~F360	1m	Iris DC Focus DC Motor Zoom DC Motor	54.4° ~ 5.4°	43.4° ~ 4.6°	33.0° ~ 3.5°

DIMENSIONS (AZD0614)



DIMENSIONS (AZD0816)



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